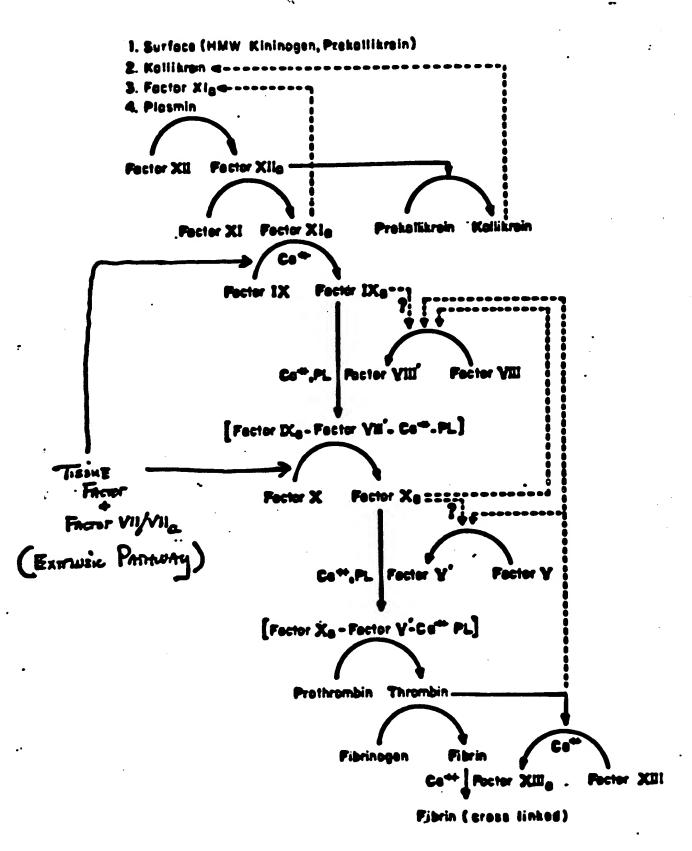
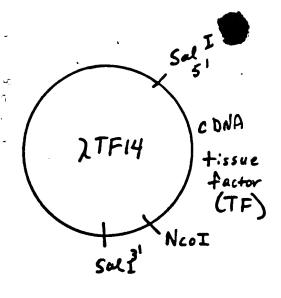
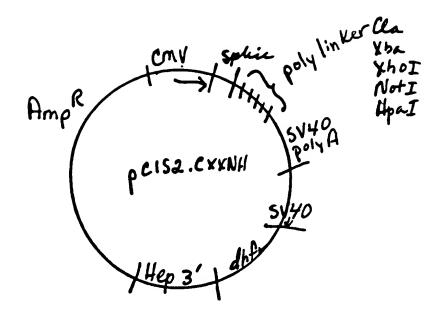
SUR -MEDIATED ACTIVATION OF BLOOD JAGULATION (INTRINSIC SYSTEM)





- NCOI 1. cut with
- 2. fill in with Klenau + 4 dNTP
 - 3 cut with Sal (TCGA)
 - 4. isolate 1232 bp fragment



1. cut with XhoI (TCGA) and HpaI

Soll 2. gel purify c DNA TF ligation Nco Z-blunt Ampa c'DNA TF UpuI (destroy site)

1 CTCGCACTCCCTCTGGCCGGCCCAGGGCGCCTTCAGCCCAACCTCCCCAGCCCACGGGCGCCACGGAACCCGCTGATCTCGCCGCCAACTGGTAGAC 100 ATG GAG ACC CCT GCC TGG CCC CGG GTC CCG CGC CCC GAG ACC GCC GTC GCT CGG ACG CTC CTG CTC GGC TGG GTC -32 Met Glu Thr Pro Ala Trp Pro Arg Val Pro Arg Pro Glu Thr Ala Val Ala Arg Thr Leu Leu Gly Trp Val 175 TTC GCC CAG GTG GCC GGC GCT TCA GGC ACT ACA AAT ACT GTG GCA GCA TAT AAT TTA ACT TGG AAA TCA ACT AAT -7 Phe Ala Gln Val Ala Gly Ala Ser Gly Thr Thr Asn Thr Val Ala Ala Tyr Asn Leu Thr Trp Lys Ser Thr Asn 250 TTC AAG ACA ATT TTG GAG TGG GAA CCC AAA CCC GTC AAT CAA GTC TAC ACT GTT CAA ATA AGC ACT AAG TCA GGA 19 Phe Lys Thr Ile Leu Glu Trp Glu Pro Lys Pro Val Asn Gln Val Tyr Thr Val Gln Ile Ser Thr Lys Ser Gly 325 GAT TGG AAA AGC AAA TGC TTT TAC ACA ACA GAC ACA GAG TGT GAC CTC ACC GAC GAG ATT GTG AAG GAT GTG AAG 44 Asp Trp Lys Ser Lys Cys Phe Tyr Thr Thr Asp Thr Glu Cys Asp Leu Thr Asp Glu Ile Val Lys Asp Val Lys 400 CAG ACG TAC TTG GCA CGG GTC TTC TCC TAC CCG GCA GGG AAT GTG GAG AGC ACC GGT TCT GCT GGG GAG CCT CTG 69 61n Thr Tyr Leu Ala Arg Val Phe Ser Tyr Pro Ala 61y Asn Val 61u Ser Thr 61y Ser Ala 61y 61u Pro Leu 475 TAT GAG AAC TCC CCA GAG ITC ACA CCT TAC CTG GAG ACA AAC CTC GGA CAG CCA ACA ATT CAG AGT TTT GAA CAG 94 Tyr Glu Asn Ser Pro Glu Phe Thr Pro Tyr Leu Glu Thr Asn Leu Gly Gln Pro Thr Ile Gln Ser Phe Glu Gln 550 GTG GGA ACA AAA GTG AAT GTG ACC GTA GAA GAT GAA CGG ACT TTA GTC AGA AGG AAC AAC ACT TTC CTA AGC CTC 119 Val Gly Thr Lys Val Asn Val Thr Val Glu Asp Glu Arg Thr Leu Val Arg Arg Asn Asn Thr Phe Leu Ser Leu 625 CGG GAT GTT TTT GGC AAG GAC TTA ATT TAT ACA CTT TAT TAT TGG AAA TCT TCA AGT TCA GGA AAG AAA ACA GCC 144 Arg Asp Val Phe Gly Lys Asp Leu Ile Tyr Thr Leu Tyr Tyr Trp Lys Ser Ser Ser Gly Lys Lys Thr Ala 700 AAA ACA AAC ACT AAT GAG TIT TIG ATT GAT GIG GAT AAA GGA GAA AAC TAC TGT TIC AGT GIT CAA GCA GIG ATT 169 Lys Thr Asn Thr Asn Glu Phe Leu Ile Asp Val Asp Lys Gly Glu Asn Tyr Cys Phe Ser Val Gln Ala Val Ile 775 CCC TCC CGA ACA GTT AAC CGG AAG AGT ACA GAC AGC CCG GTA GAG TGT ATG GGC CAG GAG AAA GGG GAA TTC AGA 194 Pro Ser Arg Thr Val Asn Arg Lys Ser Thr Asp Ser Pro Val Glu Cys Met Gly Gln Glu Lys Gly Glu Phe Arg 850 GAA ATA TTC TAC ATC ATT 6GA 6CT 6T6 GTA TTT 6T6 6TC ATC ATC CTT 6TC ATC ATC CT6 6CT ATA TCT CTA CAC 219 Glu Ile Phe Tyr Ile Ile Gly Ala Val Val Phe Val Val Ile Ile Leu Val Ile Ile Leu Ala Ile Ser Leu His 925 AAG TGT AGA AAG GCA GGA GTG GGG CAG AGC TGG AAG GAG AAC TCC CCA CTG AAT GTT TCA TAA AGGAAGCACTGTTGG 244 Lys Cys Arg Lys Ala Gly Val Gly Gln Ser Trp Lys Glu Asn Ser Pro Leu Asn Val Ser End 1003 AGCTACTGCAAATGCTATATTGCACTGTGACCGAGAACTTTTAAGAGGATAGAATACATGGAAACGCAAATGAGTATTTCGGAGCATGAAGACCCTGGAG 1103 TTCAAAAACTCTTGATATGACCTGTTATTACCATTAGCATTCTGGTTTTTGACATCAGCATTAGTCACTTTGAAATGTAACGAATGGTACTACAACCAAT 1203 TCCAAGTTTTAATTTTTAACACCATGGCACCTTTTGCACATAACATGCTTTAGATTATATATTCCGCACTCAAGGAGTAACCAGGTCGTCCAAGCAAAAA 1403 GTGCAGTAGCACGATCTCGGCTCACTGCACCCTCCGTCTCTCGGGTTCAAGCAATTGTCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGTGCGCACT 1603 TGGCCTCCCAAAGTGCTAGTATTATGGGCGTGAACCACCATGCCCAGCCGAAAAGCTTTTGAGGGGCTGACTTCAATCCATGTAGGAAAGTAAAATGGAA 1803 TGGCAAACTTTGTATTAATGTGTTAAGTGCAGGAGACATTGGTATTCTGGGCACCTTCCTAATATGCTTTACAATCTGCACTTTAACTGACTTAAGTGGC 1903 attamacatttgagagctaactatattittataagactactatacaaactacagagtttatgatttaaggtacttaaagcttctatggttgacattgtat 2103 AMATAMAGGTGACTGGGAATTGTTAD

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Catatactet acacaagtet acaaagecae Gagteggeca Gagtegaaag Gagaactece cactgaatet Ttcataaage aagcactett
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	hphI G GTGACTGGGA C CACTGACCCT	draI ahaIII TTTTAAAAAG AAAATTTTTC	alui Titgagagci Aaactcicga	tttgtattaa Aaacataatt	GGTGCATTTC	CAAAGTGCTA	aluI AAGCTAATTT TTCGATTAAA	saujai dpni GCACGATCTC CGTGCTAGAG	AAAATGTCTT TTTTACAGAA	TTAATTTTA AATTAAAAAT	ACTOTTGATA TGAGAACTAT	Camatgetat Gttacgata
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-	•.	dr ab TTAATATACT AATTATATGA	incii TTGACATTGT AACTGTAACA	GACTTAAGTG CTGAATTCAC	ATTCAAAACA TAAGTTTTGT	AGTAAAATGG	ddeI sau3AI mnlI dpnI si ACCTCAGTIG ATCCACCCAC	hinpi hhai msti fspi CAGGTGCGCA	BCIPI BEINI GCCCAGGCTG	TCCAAGCAAA AGGTTCGTTT	ACTACAACCA TGATGTTGGT	mboli scrfi III bstNI G AAGACCCTGG



